

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>ARG-PB60196</b>	<b>FOR FURTHER ACTION</b> <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small>	
International application No. <b>PCT/EP2004/003773</b>	International filing date (day/month/year) <b>07/04/2004</b>	(Earliest) Priority Date (day/month/year) <b>09/04/2003</b>
Applicant  <b>SMITHKLINE BEECHAM CORPORATION</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☒ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

**BIPHENYLCARBOXYLIC AMIDE DERIVATIVES AS P38 KINASE INHIBITORS**

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/003773

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C233/76 C07C255/24 C07C255/25 C07C255/45 C07C317/28  
C07C321/14 C07D205/04 C07D207/06 A61K31/166 A61K31/277  
A61K31/397 A61K31/40 A61P17/06 A61P25/16 A61P29/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BEILSTEIN Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 849 256 A (JAPAN TOBACCO INC) 24 June 1998 (1998-06-24) page 11, lines 34,35; example 147 page 118, line 26 - page 124, line 29	1-11
P,X	WO 03/032980 A (ANGELL RICHARD MARTYN ; ASTON NICOLA MARY (GB); COCKERILL GEORGE STUAR) 24 April 2003 (2003-04-24) claims 1,11,13; example 1	1-11
P,X	WO 03/033483 A (ANGELL RICHARD MARTYN ; ASTON NICOLA MARY (GB); COCKERILL GEORGE STUAR) 24 April 2003 (2003-04-24) claims 1,12,14; example 4	1-11
A	WO 02/072579 A (LETAVIC MICHAEL ANTHONY ; MCCLURE KIM FRANCIS (US); PFIZER PROD INC (U) 19 September 2002 (2002-09-19) abstract	1-11

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

23 July 2004

Date of mailing of the international search report

17/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.  
Fax: (+31-70) 340-3016

Authorized officer

Cooper, S

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/003773

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2004/003773

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claim 9 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/003773

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0849256	A	24-06-1998	AU 6709596 A	19-03-1997
			CA 2230082 A1	06-03-1997
			EP 0849256 A1	24-06-1998
			US 6174887 B1	16-01-2001
			EP 1304322 A2	23-04-2003
			WO 9708133 A1	06-03-1997
			JP 2829599 B2	25-11-1998
			JP 9118658 A	06-05-1997
			TW 410218 B	01-11-2000
			US 6420561 B1	16-07-2002
WO 03032980	A	24-04-2003	WO 03032980 A1	24-04-2003
			EP 1435942 A1	14-07-2004
WO 03033483	A	24-04-2003	WO 03033483 A1	24-04-2003
			EP 1436272 A1	14-07-2004
WO 02072579	A	19-09-2002	BR 0207990 A	27-04-2004
			CA 2440222 A1	19-09-2002
			CZ 20032185 A3	16-06-2004
			EE 200300437 A	16-02-2004
			EP 1370559 A1	17-12-2003
			HU 0303415 A2	28-01-2004
			WO 02072579 A1	19-09-2002
			NO 20033969 A	13-10-2003
			SK 10272003 A3	07-07-2004
			US 2003096838 A1	22-05-2003